

ISS/IRB PRECAUTIONARY LABELING REVIEW

PM: 16

06-25-86

051036-RUM

Malathion 5 EC

Microflo

Sparks, GA 31047

In: 04-14-86

Accn: 262319

RN: 171210

AC: 160

OLTS:

FORMULATION:

Malathion.....57.000%

INTRODUCTION

Application for registration. Jacket not provided.

USES

Jacket and label not provided.

SUBMITTED DATA

A. Accession 262319. Cosmopolitan Safety Evaluation  
Lafayette, NJ, 07848. Study 1145 A-F.

MRID # 158063

1. Acute Oral Toxicity. 5 male and 5 female sprague-dawley derived albino rats, individually housed. Administration by gavage. 14 day observation period. Signs include decreased activity, lachrimation and chromorhinorrhea. Necropsies indicate gastric congestion. Results:

Dose, Mg/Kg	Percent Mortality:	Males	Females
3155		0	0
3972		0	20
5000		80	40
6295		100	100
LD 50		4667	4887
95% Confidence Limits		4256-5117	4224-5653

Core Minimum Data

TOXICITY CATEGORY III

2. Acute dermal toxicity. 5 M and 5 F New Zealand albino rabbits, individually housed, per dose. Sites clipped and intact. 24 hour semioccluded exposure. 14 day observations. Signs minor except for dermal irritation. Necropsies were unremarkable. Results:

Dose mg/kg	%Mortality	Male	Female
2000		0	0
LD50			
95% Confidence limits			

Core Minimum Data

TOXICITY CATEGORY III

MRID # 158065

3. Acute Inhalation Toxicity. 5 M and 5 F SD rats, individually housed. Group whole-body exposure. Particle sizes by Cascade Impactor. Gravimetric concentrations by USPHS/NIOSH filter method. Signs include sluggishness, suppressed wt. gains in females. Necropsies unremarkable.

Conditions of exposure:						Percent Mortality:	
Nom. Conc	An. Conc	Grav. Conc.	mg/L	MMD	If RH	Male	Female
12.1	---	4.3		1.3	77 80	00	00

Core Minimum Data

TOXICITY CATEGORY III

MRID # 158066

4. Primary Eye Irritation. 6 NZ rabbits, individually housed. Naked eye examination with hand held ophthalmoscope and UV light after sodium fluorescein stain. Material administered at 0.1 ml per eye. None washed. Results:

Corneal Opacity-	5/6.	3/5 cl. 7 days.	1/6 grade 1 at 21 d.
Iritis-	6/6.	all clear day 7.	
Conjunctivae-	6/6.	4/6 clear d. 7 1 did not clear at 21 d. grade 1 R.	

Core Minimum Data

TOXICITY CATEGORY II

MRID # 158067

5. Primary Skin Irritation. 6 New Zealand White rabbits, individually housed. Sites clipped and intact. 0.5 ml. per site, 4 hour semi-occluded exposure. PDIS= 2.4

Core Minimum Data

TOXICITY CATEGORY III